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		Document ID	Issue Date	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P
21	F	US 5960447	19990928		Word tagging and editing system for speech	715/500	704/235;		Holt; Douglas et al.			
22	F	US 5872672	19990216		System and method for monitoring and analyzing	360/77.12	704/270;		Chliwnyj; Alex et al.			
23	F	US 5828514	19981027		Servo error detection in a noisy environment	360/77.12	360/53;		Chliwnyj; Alex et al.			
24	F	US 5823455	19981020		Belt-driven data storage device with core	242/340	360/69;		Hable; Mary R. et al.			
25	F	US 5765772	19980616		Data cartridge corner roller with stepped horn	242/342	242/352.4;		Bay; Randy S. et al.			
26	F	US 5669567	19970923		Brake mechanism for drum type magnetic recording	242/355	242/355.1;		Chiu; Ming-Jer			
27	F	US 5639042	19970617		Brake mechanism for magnetic drum tape machine	242/354	242/356;		Chiu; Ming-Jer et al.			
28	F	US 5563747	19961008		Method for correcting the counter distortions	360/74.2	242/356.5		Bae; Tae S.			
29	F	US 5459619	19951017		Method of reading recording data and a re	360/47	360/72.3		Colineau; Joseph et al.			
30	F	US 5385315	19950131		Tape-spool retention member	242/586			Rude; Edward T. et al.			
31	F	US 5365333	19941115		Apparatus for analyzing tracking error in magnetic	356/244	242/579		Wirth; Wayne M. et al.			
32	F	US 5349236	19940920		Reusable fixture for carrier tape	257/701	356/32		Oshino; Fumio et al.			
33	F	US 5294805	19940315		Method and apparatus for analyzing tracking	250/559.22	257/668;		Izraelev; Valentin M.			
34	F	US 5251844	19931012		Gimbaled compliant guide for tape drivers	242/358	250/559.1;		Albrecht; Thomas R. et al.			
35	F	US 5216556	19930601		Method for optimized tape tension adjustment	360/74.3	226/196.1;		Steinberg;			
36	F	US 5212388	19930518		Method for detecting tracking error in magnetic	250/559.1	242/334.6;		Mitchell R. et al.			
37	F	US 5184228	19930202		Recording circuit for mirror mother tape	386/21	360/71;		Izraelev; Valentin M.			
38	F	US 5164031	19921117		Tape splicing method and apparatus	156/157	250/559.26		Kobayashi;			
39	F	US 5114093	19920519		Brake mechanism for reel stands of a tape recorder	242/355.1	348/607;		Toshiharu et al.			
40	F	US 5113869	19920519		Implantable ambulatory electrocardiogram monitor	600/508	360/15;		Matsuyama;			
41	F	US 5050021	19910917		Expanded micro cassette player-recorder	360/95	156/159;		Masayoshi et al.			
42	F	US 4949203	19900814		Tape recorder having an improved cassette mount	360/85	156/258;		Kunimaru; Noritaka et al.			
43	F	US 4930028	19900529		Tape recorder	360/85	242/422.4;		Kunimaru; Noritaka et al.			
44	F	US 4893198	19900109		Method and apparatus for performing high speed	386/52	360/96.3		Little; Graeme M.			
45	F	US 4781964	19881101		Magnetic recording	428/141	360/130.22		Mizuno; Chiaki et al.			

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US PATENT													
		Document ID	Issue Date	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P	3
46	P	US 4774603	19880927		Integral tape path assembly including speed	360/71	360/73.04		Dong, John W. et al.				
47	P	US 4749146	19880607		Magnetic tape drives	242/332.3	226/91; 226/97.1;		Bridger, Graham et al.				
48	P	US 4747554	19880531		Apparatus for winding magnetic tape	242/527	156/506; 242/532.1		Kubo, Toyohide				
49	P	US 4728563	19880301		Magnetic recording medium	428/212	428/400; 428/694B;		Saito, Shinji et al.				
50	P	US 4728558	19880301		Magnetic recording medium	428/141	428/336; 428/694BN;		Ono, Toshio et al.				
51	P	US 4702948	19871027		Self-adhesive tape with two-sided contact adhesive	428/41.9	427/208; 428/161;		Sieber-Gadient, Paul				
52	P	US 4631602	19861223		Process for thermoremanent duplication	360/16			Chouinard, Michael P. et al.				
53	P	US 4560433	19851224		Bi-directional applicator head with du	156/459	156/511; 156/522;		Frank, Ed				
54	P	US 4553176	19851112		Video recording and film printing system ou	386/4	386/31; 386/36		Mendrala, James A.				
55	P	US 4523133	19850611		Tape transport system with tension sensing be	318/7	242/334.3; 242/334.6;		Messenger, Carl				
56	P	US 4490691	19841225		Compressor-expander circuits and circuit a	333/14	381/106; 455/72		Dolby, Ray M.				
57	P	US 4382836	19830510		Bi-directional applicator head	156/459	156/522; 156/523;		Frank, Ed				
58	P	US 4363041	19821207		Dual capstan tape transport having contro	360/71	226/195; 242/334;		Lelandais, Guy				
59	P	US 4351007	19820921		Editor for combining digitally recorded audi	360/13			Youngquist, Robert J.				
60	P	US 4335857	19820622		Web aligning system	242/346.2	226/190; 226/194;		Pfost, R. Fred et al.				
61	P	US 4322262	19820330		Apparatus for wrapping conduits with sheet mat	156/392	156/425; 156/428;		Cottam, Spencer D.				
62	P	US 4273601	19810616		Method for the production of elongated	156/189	156/184; 156/190;		Weingart, Oscar				
63	P	US 4264278	19810428		Blade or spar	416/226	156/189; 156/195;		Weingart, Oscar				
64	P	US 4249218	19810203		Method and apparatus for editing digitally r	360/13			Davis, Donald E. et al.				
65	P	US 4234374	19801118		Bi-directional step-over tape applicat	156/459	156/574		Frank, Ed				
66	P	US 4205356	19800527		Erasing head	360/118	360/66		Tanaka, Fumio et al.				
67	P	US 4203564	19800520		Tape reel	242/606	242/608.8; 242/610.6		Nemoto, Tsuneo				
68	P	US 4123789	19781031		Magnetic tape storage and transport cartridge	360/96.2	242/340; 242/345;		Shatavsky, Rubin				
69	P	US 4085907	19780425		Magnetic tape magazine	242/345.2	242/345.3		Suzuki, Osamu et al.				
70	P	US 4083508	19780411		Tape storage reel with	242/613.4	242/613		Pattillo, Luther				

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US Patent													
		Document ID	Issue Date	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P	3
71	P	US 4030685	19770621		Magnetic tape magazine	242/343.2	242/344;		Suzuki; Osamu et al.				
72	P	US 4025917	19770524		Simplified time code reader with digital PDM	341/52	242/422.6		DuBrul; James M.				
73	P	US 4012793	19770315		Multioriented composite surface tape	360/130.23	329/312;		Blanding; Douglass L.				
74	P	US 4012792	19770315		Magnetic head drum configuration having a	360/130.24	341/53;		Bloom; Richard M.				
75	P	US 3991795	19761116		Beadless woven stringer for a spiral slide fast	24/392	242/345.1;		Balmer; David C.				
76	P	US 3980207	19760914		Pinch rollers	226/186	226/191;		Maccaferri; Mario				
77	P	US 3947891	19760330		Static magnetic erasing head	360/118	226/194		Saito; Makoto et al.				
78	P	US 3945407	19760323		Multiple filament woven-in slide fastener	139/384B	24/392		Jakob; Horst				
79	P	US 3913856	19751021		Endless tape transporting device	242/327.2	242/325;		Hara; Satoshi et al.				
80	P	US 3872368	19750318		Multiplex signal program servo-mechanism	318/567	242/615.1		Friberg; Vincent P. et al.				
81	P	US 3871420	19750318		METHOD AND APPARATUS FOR MANUFACTURING SLIDE	139/116.1	318/568.1;		Jakob; Horst				
82	P	US 3825948	19740723		HIGH SPEED THERMAL DUPLICATION OF MAGNETIC	360/16	139/384B;		Hendershot, III; William B. et al.				
83	P	US 3777075	19731204		HIGH SPEED THERMAL DUPLICATION OF MAGNETIC	360/17	360/71		Hendershot, III; William B. et al.				
84	P	US 3663764	19720516		AUTOMATIC TRACKING CIRCUIT FOR TRANSVERSE	360/70	226/25;		Trost; Allen J. et al.				
85	P	US 3663763	19720516		AUTOMATIC TRACKING METHOD AND APPARATUS FO	360/70	242/330;		Trost; Allen J.				
86	P	US 3621404	19711116		SIGNAL LEVEL CONTROL INSTRUMENT FOR SOUND TR	324/620	318/717		Sven Hakan Sjogren et al.				
87	P	US 3621148	19711116		ELECTROMAGNETIC RECORD HEAD TRANSDUCER AND SYS	360/130.21	324/76.13;		Keith O. Johnson				
88	P	US 3552685	19710105		TAPE TRANSPORT ASSEMBLY	242/343.2	360/25;		Larsen; Raymond B.				
89	P	JP 2001110757	20010420		MANUFACTURING METHOD OF SEMICONDUCTOR DEVICE		242/338.1;		TAMON, SUSUMU et al.				
90	P	JP 2001053116	20010223		TWO-LAYER TAB TAPE AND MANUFACTURE THEREOF		242/345.1;		TAKAHASHI, GUNICHI et al.				
91	P	JP 09061105	19970307		METHOD AND DEVICE FOR MEASURING TAPE DISTORTI				ABE, MAYUMI et al.				
92	P	JP 07272359	19951020		MAGNETIC RECORDING/REPRODUCING D				TABUCHI, TOSHIAKI et al.				
93	P	JP 06084973	19940325		DIE BONDING TAPE				MURATA, AKIHIKO				
94	P	JP 05334843	19931217		TAPE CASSETTE				NAKAMARU, KAZUKI				
95	P	JP 05041000	19930219		ROTATIONAL HEAD		360/71		SAWADA, HIROYUKI				

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		Document ID	Issue Date	Pages	Title	Current OR	Current KR	Retrieval	Inventor	S	C	P	S
77	F	US 3947891	19760330		Static magnetic erasing head	360/118			Saito; Makoto et al.				
78	F	US 3945407	19760323		Multiple filament woven-in slide fastener	139/384B	24/392		Jakob; Horst				
79	F	US 3913856	19751021		Endless tape transporting device	242/327.2	242/325;		Hara; Satoshi et al.				
80	F	US 3872368	19750318		Multiplex signal program servo-mechanism	318/567	242/615.1		Friberg; Vincent P. et al.				
81	F	US 3871420	19750318		METHOD AND APPARATUS FOR MANUFACTURING SLIDE HIGH SPEED THERMAL	139/116.1	318/562;		Jakob; Horst				
82	F	US 3825948	19740723		DUPLICATION OF MAGNETIC HIGH SPEED THERMAL	360/16	318/568.1;		Hendershot, III; William B. et al.				
83	F	US 3777075	19731204		DUPLICATION OF MAGNETIC HIGH SPEED THERMAL	360/17	139/384B;		Hendershot, III; William B. et al.				
84	F	US 3663764	19720516		AUTOMATIC TRACKING CIRCUIT FOR TRANSVERSE	360/70	242/330;		Trost; Allen J. et al.				
85	F	US 3663763	19720516		AUTOMATIC TRACKING METHOD AND APPARATUS FOR	360/70	318/717		Trost; Allen J.				
86	F	US 3621404	19711116		SIGNAL LEVEL CONTROL INSTRUMENT FOR SOUND TR	324/620	360/25;		Sven Hakan Sjogren et al.				
87	F	US 3621148	19711116		ELECTROMAGNETIC RECORD HEAD TRANSDUCER AND SYS	360/130.21	324/76.13;		Keith O. Johnson				
88	F	US 3552685	19710105		TAPE TRANSPORT ASSEMBLY	242/343.2	360/66;		Larsen; Raymond B.				
89	F	JP 200110757	20010420		MANUFACTURING METHOD OF SEMICONDUCTOR DEVICE		242/338.1;		TAMON, SUSUMU et al.				
90	F	JP 2001053116	20010223		TWO-LAYER TAB TAPE AND MANUFACTURE THEREOF		242/345.1;		TAKAHASHI, GUNICHI et al.				
91	F	JP 09061105	19970307		METHOD AND DEVICE FOR MEASURING TAPE DISTORTI				ABE, MAYUMI et al.				
92	F	JP 07272359	19951020		MAGNETIC RECORDING/REPRODUCING D				TABUCHI, TOSHIAKI et al.				
93	F	JP 06084973	19940325		DIE BONDING TAPE				MURATA, AKIHIKO				
94	F	JP 05334843	19931217		TAPE CASSETTE				NAKAMARU, KAZUKI				
95	F	JP 05041000	19930219		ROTATIONAL HEAD CYLINDER		360/71		SAWADA, HIROYUKI et al.				
96	F	JP 04044656	19920214		CYLINDER FOR INFORMATION RECORDING A		360/71		TSUJII, CHISATO				
97	F	JP 62065006	19870324		LOOSE TYPE OPTICAL FIBER CABLE		385/112;		HATANO, SATOSHI et al.				
98	F	JP 57176532	19821029		MAGNETIC RECORDING MEDIUM		385/113		TAKAGI, HIROTSUGU				
99	F	EP 491475	19920624		Flexible moving web guide		242/346.2		ALBRECHT, THOMAS ROBERT et al.				
100	F	GB 2117354	19831012		Magnetic tape guiding system		540/338		PFOST, ROBERT FRED et al.				

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Drafts

Pending

Active

L1: (188) tape same track same offset same servo

L2: (18833) (plurality of plural) adj3 track

L3: (24674) (plural or plurality) adj3 head

L4: (0) 1 same 2 same 3

L15: (1500) 2 same 3

OR

1 and 5

A BRS formA BRS formB BRS formC BRS formD BRS formE

#	I	Document ID	Issue Date	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P	3	
1	F	US 20050041317	20050224	24	Storing data to magnetic tape both to o	360/46	360/48;		Jaquette, Glen	C	F	F	C	F
2	F	US 20050030662	20050210		Tape servo information with superimposed data	360/48	360/63; 360/77.12		Alan	C	F	F	C	F
3	F	US 20050030661	20050210		Identification of laterally positioned se	360/48	360/75; 360/77.12		Bui, Nhan Xuan et al.	C	F	F	C	F
4	F	US 20050018349	20050127		Recording head compensation for tape s	360/129			Eaton, James	C	F	F	C	F
5	F	US 20040257694	20041223		Head-track alignment	360/77.12			Howard	C	F	F	C	F
6	F	US 20040207943	20041021		Magnetic tape and method of manufacturing	360/48	360/39; 360/55		Knowles, Vernon L. et al.	C	F	F	C	F
7	F	US 20040174628	20040909		Large angle azimuth recording and head conf	360/48	360/75; 360/76		Nakao, Toru et al.	C	F	F	C	F
8	F	US 20020097518	20020725		Track position error determination	360/77.01	360/31		Schwarz, Theodore A. et al.	C	F	F	C	F
9	F	US 20010043426	20011122		Integrated optical tracking system for mag	360/77.03			Helms, Carl A.	C	F	F	C	F
10	F	US 6768606 B2	20040727		Track position error determination	360/77.01	360/31; 360/75; 360/77.01;		Smith, Archibald W.	C	F	F	C	F
11	F	US 6724559 B1	20040420		Magnetic tape unit	360/76	360/77.01; 360/77.12		Helms, Carl A.	C	F	F	C	F
12	F	US 6563662 B2	20030513		Integrated optical tracking system for mag	360/77.03			Konishi, Hironao et al.	C	F	F	C	F
13	F	US 6275349 B1	20010814		Integrated optical tracking system for mag	360/77.03	360/75		Smith, Archibald W.	C	F	F	C	F
14	F	US 6249396 B1	20010619		Magnetic media having partitioned and presatu	360/55	360/131; 360/77.06;		Gray, Martin D.	C	F	F	C	F
15	F	US 6188535 B1	20010213		Arcuate scanning tape drive with a servo mech	360/70	360/75; 360/77.12		Lemke, James U. et al.	C	F	F	C	F
16	F	US 6108148 A	20000822		Method, device, and medium for recording di	360/18	360/22; 360/73.08;		Higurashi, Seiji et al.	C	F	F	C	F
17	F	US 5898534 A	19990427		Method and system for controlling the positio	360/77.01	360/77.06		Gray, Martin D.	C	F	F	C	F
18	F	US 5568328 A	19961022		Video data recording apparatus for recording	360/22	360/18; 386/112		Takahashi, Koji et al.	C	F	F	C	F
19	F	US 4319289 A	19820309		Movable head automatic position acquisition ci	360/77.13	360/77.16; 360/77.17;		Ravizza, Raymond E.	C	F	F	C	F
20	F	US 3947875 A	19760330		Magnetic recorder test article and methods	360/39	360/25; 360/31		Bull, Frederick W. et al.	C	F	F	C	F

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